

IN THE CLAIMS

Please cancel claims 13-31 without prejudice or disclaimer.

Please add new claims 32-40 as follows:

32. (New) The projection exposure apparatus of claim 1, wherein the projection optical system comprises a first lens element and a second lens element, the imagery characteristic correction mechanism having a first drive to drive the first lens element and a second drive to drive the second lens element.

33. (New) The projection exposure apparatus of claim 1, wherein the projection exposure apparatus is a scanning type projection exposure apparatus.

34. (New) The projection exposure apparatus of claim 9, wherein the projection optical system comprises a first lens element and a second lens element, the imagery characteristic correction mechanism having a first drive to drive the first lens element and a second drive to drive the second lens element.

35. (New) The projection exposure apparatus of claim 9, wherein the projection exposure apparatus is a scanning type projection exposure apparatus.

36. (New) A projection exposure apparatus that projects a pattern onto a substrate through a projection optical system, the projection exposure apparatus comprising:
an imagery characteristic correction mechanism coupled with the projection optical system that drives at least part of the projection optical system to correct an imagery characteristic of the projection optical system;
an error detector communicating with said imagery characteristic correction mechanism, said error detector determining a projection error of the pattern in accordance